

iamm NTR81

Premium PVR & Full HD(1080p) Multi-codec Media Player

PVR

- Digital Tuner for DVB T HD(MPEG 4/H.264) broadcasting/
DVB T HD(MPEG 4/H.264) Tuner built-in(Analog not supported)
- Real-time Broadcasting Recording
- Time-shifting
- Scheduled Recording with EPG
- External analog Input(Composite & Euro SCART) for recording

**NOTE : NTR81 does not support Analog broadcasting

Full HD(1080P) Digital Multimedia Player

- MKV
- H.264
- 1080p
- HD JPEG with unlimited resolution
- Various Network Functions (NAS/Streaming Play-back/FTP/Samba)
- 2" Full Color TFT LCD
- Internet Radio
- File Management(Copy, Delete, Move)
- Original DVD Title play-back
- Streaming play-back function
- DTS audio codec down-mixing
- HDMI 1.3





Premium Personal Video Recorder(PVR)

As DVB T HD(MPEG 4/H.264) Tuner is built in iamm NTR81, it allows you to enjoy wonderful DVBT HD(MPEG 4/H.264) broadcasting including DVBT SD broadcasting. NTR81 has Composite - In connector and Euro SCART - In connector at the rear side, so you may record various contents from the TV output connector of Settop Box, Camcorder or TV set. For your convenient recording, NTR81 has various recording methods such as 'Real-time broadcasting recording', 'Time-shifting' and 'Scheduled recording with EPG.

Digital Tuner for DVB T HD(MPEG 4/H.264) Broadcasting

As NTR81 has high-end DVB-T HD tuner built-in inside, you may enjoy wonderful high definition(HD) broadcasting.



Instant Broadcasting Recording

If you have NTR81 with HDD inside, you can record broadcasting with real-time easily during watching the program. Of course, you may manage the recorded contents with ease through NTR81's File Management function. For example, copy, delete or move to(from) other storage.



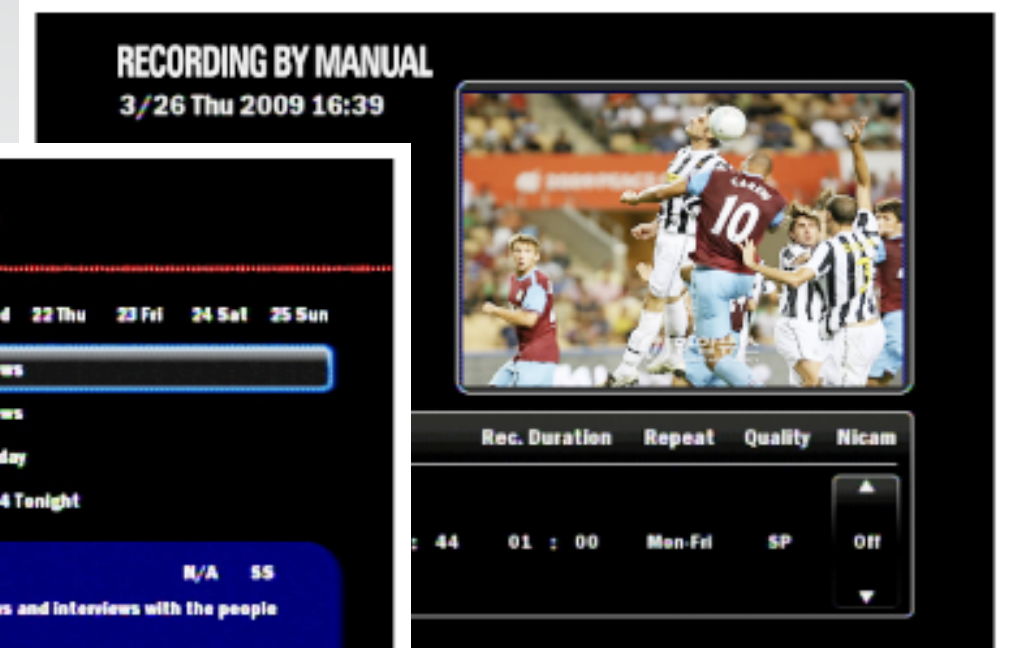
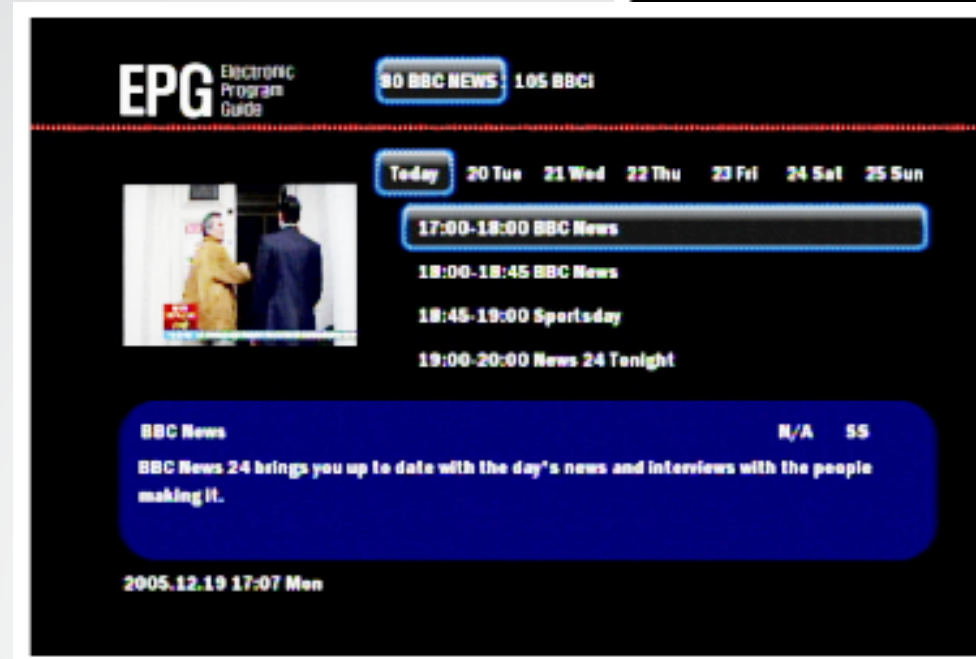
Time-shifting function

When you are watching TV, sometimes you may miss a certain scene or want to see a nice scene again. In this case, you can use NTR81's 'Time-shifting' function. You can run this function easily by pressing TIME SHIFT key on the remote controller.



Scheduled Recording by EPG (with Digital TV only) and by manual

If you have digital TV set, you can make recording schedule for your favorite program with EPG. And, you can make recording schedule by manual too when you want to record contents from external Analog In(Euro SCART or Composite).



External analog Input(Composite & Euro SCART) for recording

Except for digital recording through DVB T Tuner inside of NTR81, it is also possible to make recording through the external analog Input(Composite & Euro SCART) at the rear of the NTR81.

In case when you want to record some contents played by Settop Box, Camcorder or analog TV set, you may use this function.



Full HD(1080P) Multi-codec Media Player

NTR81 is powered by high performance MIPS 400MHz Core CPU. And, it decodes video codec and audio codec with Hardware Video and Audio acceleration. So, NTR81 has powerful ability to play back various video codec, audio codec including unlimited resolution of HD JPEG(photo file). Also, NTR81 supports various network protocols such as FTP, Samba and UPnP. With these network protocols, you may conveniently use NTR81 as NAS(Network Attached Storage). There is 2" full color TFT LCD on the front of NTR81. This lets you make use of NTR81 as audio juke box and Internet Radio without TV set. Also, we have DTS license, so NTR81 can downmix DTS audio codec. This lets you enjoy DTS audio through TV speaker(stereo) without DTS decoder. The HDMI1.3 of NTR81 allows you enjoy wonderful video quality.

Various codec supported due to powerful MIPS 400MHz core CPU

Video : Matroska(MKV) / H.264 / RealMedia(RM) / MOV / AVC HD / FLV / WMV / M2TS including common codecs

Audio : FLAC / DTS / Dolby Digital / RM / RMVB / ASF / WMA Pro / WAV including common codecs.

Photo : Unlimited resolution of HD JPEG / PNG / GIF / BMP



- ① for DC 12V/3A AC adapter
- ② USB 2.0 Target for PC
- ③ USB 2.0 Host for external Storage, ODD or Wireless LAN
- ④ Component(Y, Pb, Pr) Out
- ⑤ Composite(RCA) Out
- ⑥ Digital Audio(Optical) Out
- ⑦ HDMI 1.3 Out
- ⑧ Wired LAN : Ethernet(100Base-Tx/10Base-T)
- ⑨ DVB-T HD(MPEG 4/H.264) TV Tuner : Antenna-In
- ⑩ DVB-T HD(MPEG 4/H.264) TV Tuner : Antenna-Out
- ⑪ Cooling FAN
- ⑫ Euro SCART-In
- ⑬ A/V-In

Various Network Functions

(NAS/Streaming Play-back/FTP/Samba/UPnP)

As NTR81 supports various network protocols like FTP/Samba/UPnP, you can do file copy, move and delete jobs with easy from(to) your PC or from(to) other storage.

And, you can play back the files which are stored in the remote PC or networked storage.



2" full color TFT LCD

There is 2" full color TFT LCD on the front of NTR81.

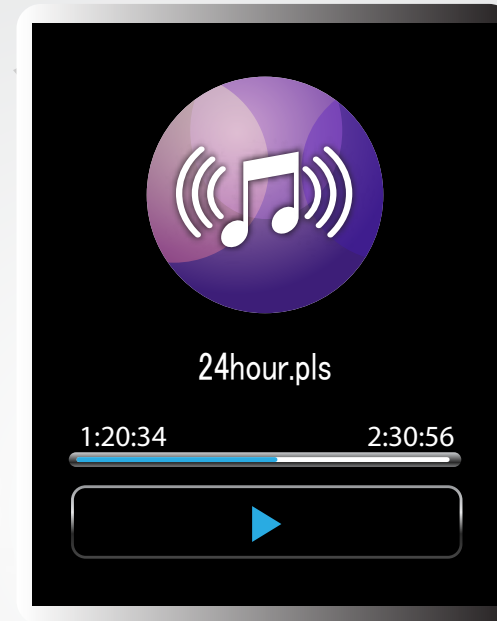
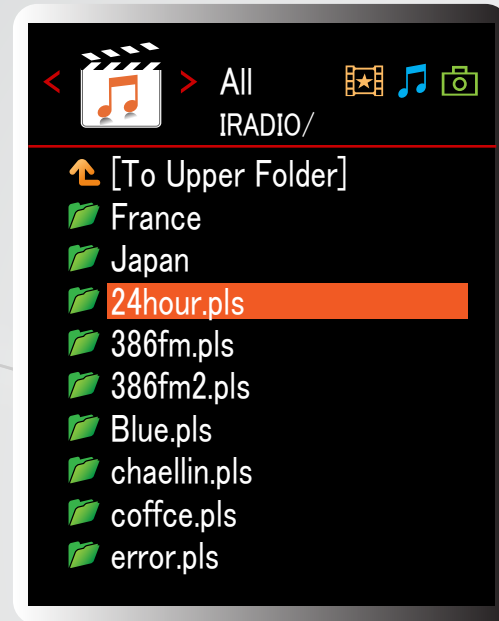
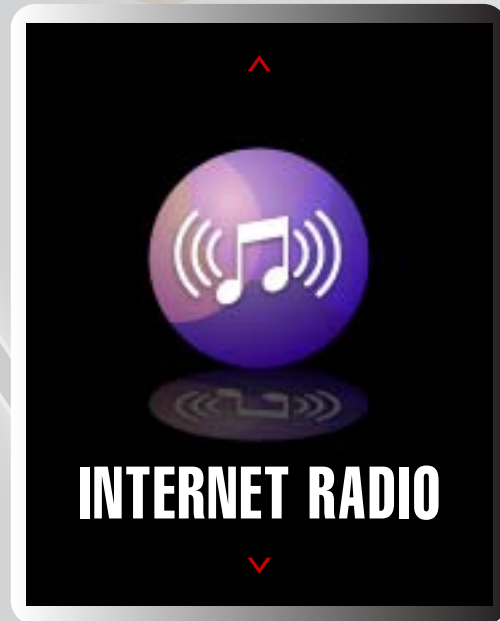
This allows you to use NTR81 as audio juke box and Internet Radio without TV set.



Internet Radio

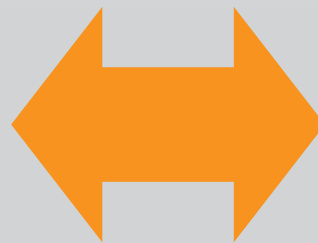
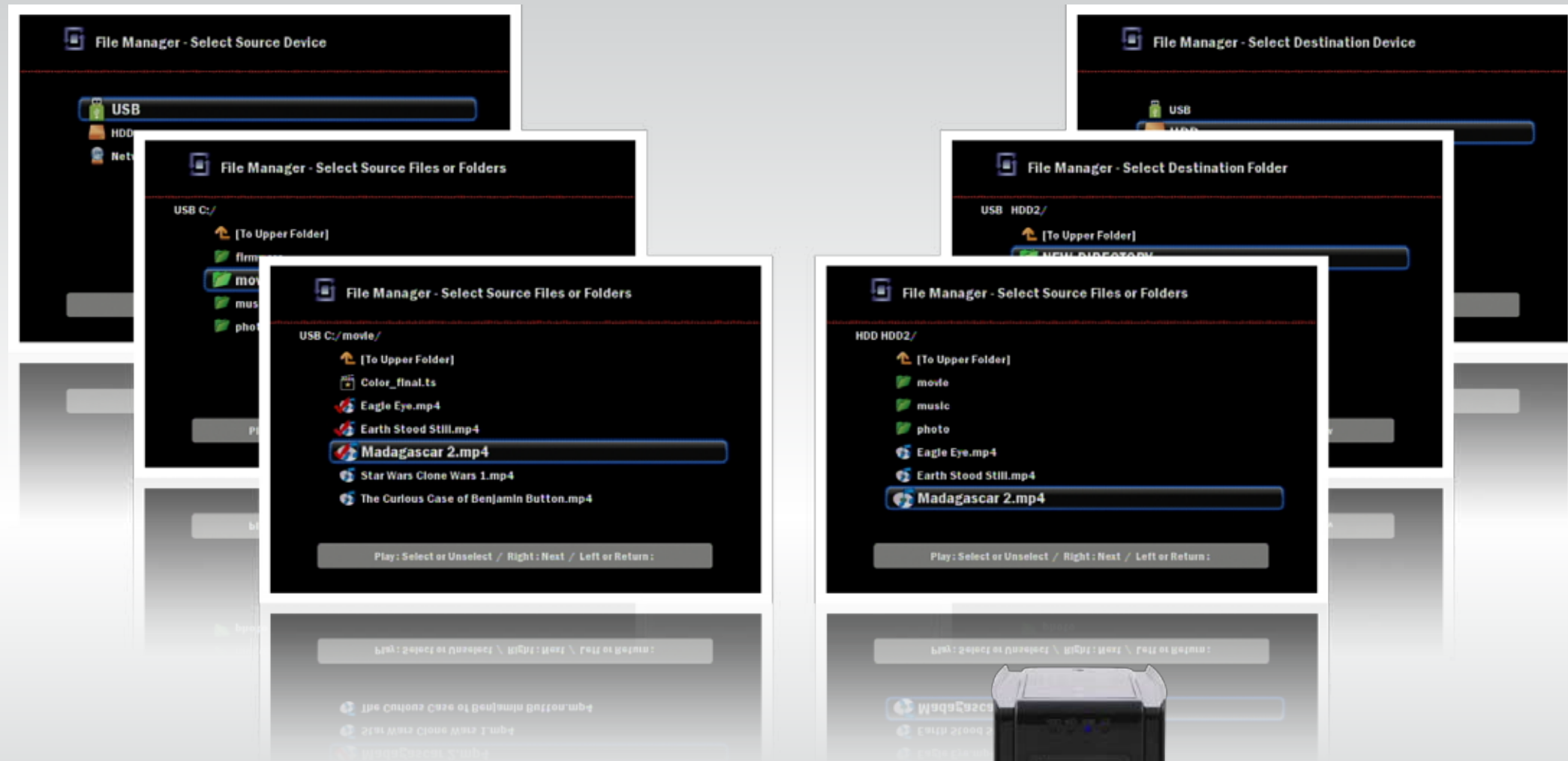
NTR81 has Internet Radio function.

You may find internet radio station on internet easily. From the radio station, you can download PLS or M3U files. If you copy them to the specific folder 'Internet Radio' of the NTR81 HDD, you can enjoy Internet Radio. For this, NTR81 should be connected with Network.



File Management(Copy, Delete, Move)

NTR81 has well-organized File Management function. Through this function, you can manage your huge and valuable files easily and conveniently.



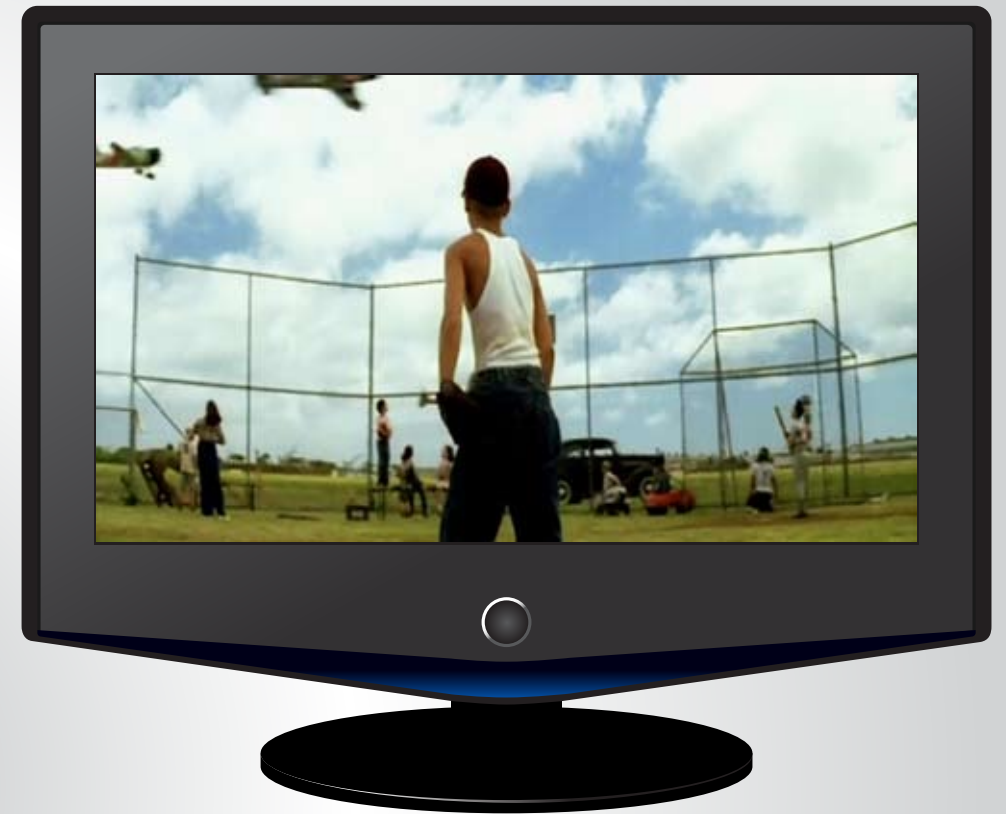
Original DVD Title play-back

As we have got CSS(Content scramble system) license agreement with DVD Copy Control Association, NTR81 has CSS code inside. So, you can pay back original DVD titles if you have external DVD drive.



Streaming Play-back via Networked Storage

NTR81 supports network streaming play-back function. This function lets you play back the files stored in the remote storages(like your PC) which are networked. Through this function, you may save time to copy the files stored in the remote storage to the HDD of NTR81



via Wired LAN(default) and
via USB dongle type of 802.11n Wireless LAN(Optional)

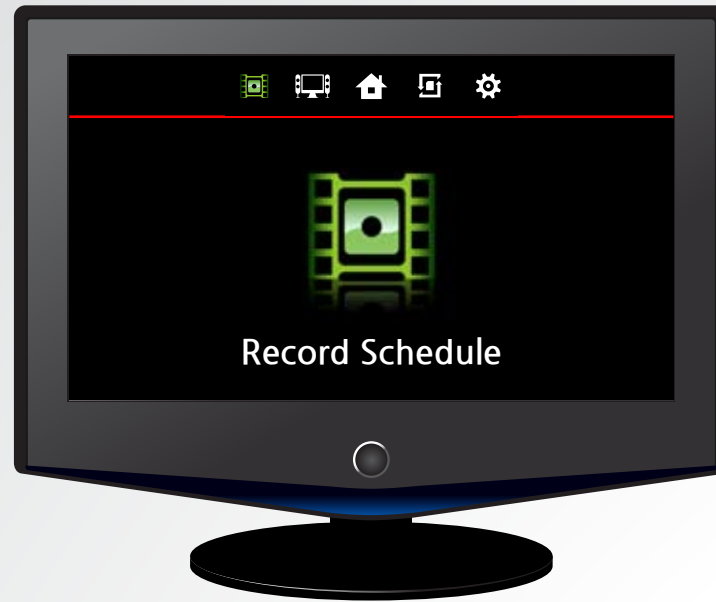
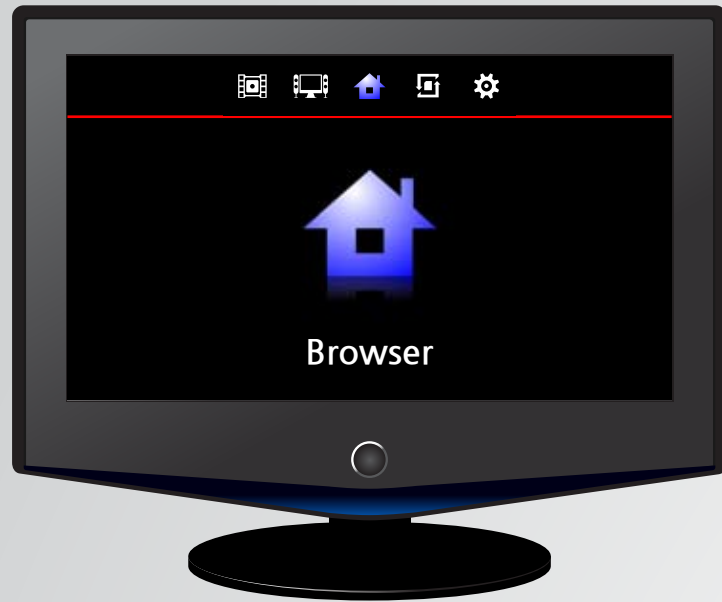
DTS audio codec Down-mixing and Pass-through

NTR81 supports downmixing for DTS audio codec. So, you can enjoy DTS audio through TV speaker(Stereo) without DTS decoder system.



True Type Font

As all text of NTR81 is based on True Type Font, so you may experience high quality text on OSD and Subtitle.



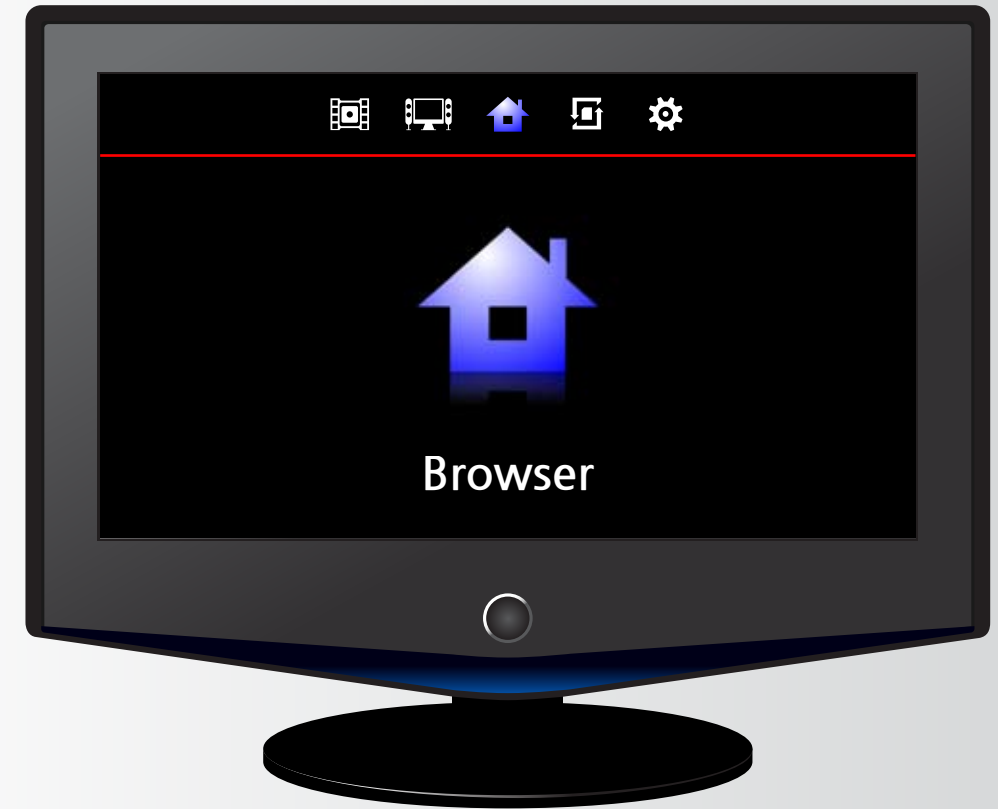
Easy controlling Subtitle Size

During playing movies, you may control Subtitle Size with easy and conveniently.



Simple & Convenient UI structure

As NTR81 is well designed with user-friendly UI and 720p high resolution quality, it will make you feel better than that you have ever seen until now.



Supported OSD languages

NTR81 supports 18 languages for OSD and Subtitles like below.

English, French, Germany, Italian, Spanish, Russian, Portugese, Swedish, Turkish, Greek, Arabic, Czech, Danish, Dutch, Finnish, Polish, Romanian, Hebrew

Specification

Model Name		iamm NTR81		
Main Chipset		RTD1283 chipset		
DVB-T HD(MPEG 4/H.264) TV Tuner		Support DVB-T HD(MPEG 4/H.264) broadcasting * Analog TV is not supported		
Recording	Digital TV Recording	Video Format	MPEG 2 main profile / MPEG 4 high profile	
		Audio Format	MPEG 1 Layer 2 (Stereo)	
		Recording Mode	TS(Transfer Stream)	
		Recording Method	Time Shift	
	Instant recording			
	Scheduled Recording with EPG(for Digital TV)			
	Analog Recording	A/V IN	Through Euro SCART(Stereo), Composite(Stereo)	
		Video Format	MPEG 2 main profile	
		Audio Format	MPEG 1 Layer 2 (Stereo)	
		Recording Mode	HQ(720x576i, 8Mbps/48KHz, 256Kbps), SP, LP, EP, S-LP	
Recording Method		Time Shift		
		Instant recording		
Decoding (Play-back)	Video	Format	MKV,RealMedia(RM),RMVB,MOV, FLV, MP4,ASF,WMV,AVI,M2TS,MTS,DAT,MPG, MPEG,M4V,ISO,IFO,VOB,TS,TP,TRP	
		Codec	H.264, MPEG1/2/4(Xvid,Divx),VCD,SVCD,WMV9,RealVideo8/9/10(up to 1280x720), M-JPEG(640x480x30p,848x480x10p), Resolution up to 1920 x 1080P	
	Audio	Format & Codec	FLAC,WMA,WMA Pro,MP3,WAV,ASF,MP4,AAC,OGG,RA,RM,RMVB,LPCM, ADPCM,Dolby Digital AC3,Dolby Digital Plus,DTS,RA-cook	
		Playlist	M3U, PLS	
	Photo	Format	Lossless JPEG(Progressive JPEG not supported),PNG,GIF,BMP	
		Resolution	unlimited(up to 40M pixel tested)	
		Decoding	JPEG is decoded by Hardware	
	Subtitles		SMI,SUB,IDX+SUB,SRT,SSA,ASS,DVD subtitle,Embedded in AVI/Divx	
	Video-Out		HDMI 1.3 / Component(Y Pb Pr) / Composite(RCA)	
	Audio-Out		Digital : Optical / Analog : Stereo	
LCD on the front		2 inch TFT Color LCD / Color : 262K(18Bit)		
Connective		USB 2.0 Target x 1EA USB 2.0 Host x 2EA Ethernet(100Base-Tx/10Base-T) x 1EA		
Storage(HDD)		3.5" SATA1/2 (up to 2TB Tested)	Storage & Play-back : NTFS & FAT32 file system supported Recording(Encoding) : NTFS	
OSD Language		English, French, Germany, Italian, Spanish, Russian, Portugese, Swedish, Turkish, Greek, Arabic, Czech, Danish, Dutch, Finnish, Polish, Romanian, Hebrew.		
Compatible OS		MS Windows 98SE, ME, 2000, XP, Vista		
AC/DC Adapter		Input : AC90V ~ 250V free voltage Output : DC 12V/3A		
Physical Dimension		95mm(W) x 145mm(D) x 190mm(H)		
Certificate		CE / MIC / RoHS compliance		
Optional		Wireless LAN(802.11n) : USB Dongle type		

** The specification to be changed without notification